

Kennecott
Utah Copper Division
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Salt Lake City, Utah 84131-0838
(801) 322-7000

orig mine file
cc L. Braxton
K. Gray
R. Morgan, *water*
L. Anderson
Water Resources

RECEIVED

JAN 27 1986

DIVISION OF OIL
GAS & MINING

Kennecott

ACT/035/002

January 24, 1986

Mr. Calvin K. Sudweeks
Executive Secretary
State of Utah
Department of Health
P. O. Box 45500
Salt Lake City, Utah 84145-0500

Dear Mr. Sudweeks:

Subject: Excess Storm Water

An assessment of the 1985-86 winter precipitation, snowpack and runoff conditions for the Bingham Canyon watershed show an expected 1200 acre feet of excess storm water will have to be treated and impounded in the evaporation ponds between now and July 1, 1986.

Kennecott is requesting approval to initiate treatment of excess storm runoff on March 1, 1986. The excess storm water will be treated with lime to pH 9 and discharged to the clay lined evaporation ponds for solids settlement and impoundment.

All practical alternate emergency control options have been implemented during the past three years, and until Kennecott's long-range surface water management study is complete to identify permanent controls, we believe treatment and impoundment is the only practical method to handle the excess water during the 1986 runoff period.

The expected 1200 acre feet of excess storm water is based on a projected normal precipitation between now and June 30, 1986, and, therefore, could change. The runoff assessment will be updated at the end of each month and incorporated into the water treatment planning to ensure the minimum amount necessary is treated and impounded in the evaporation ponds.

As required by the consent decree (Civil No. 85-C-0923A), the storm water assessment will be included with the monthly NPDES monitoring report. Attached is a description of the monitoring which will be conducted to ensure proper treatment and assess any potential detrimental impact.

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We would appreciate your consideration of this request, and approval as soon as possible.

Very truly yours,



S. D. Taylor
Division Environmental Engineer

/km
Attachment

cc: R. A. Malone
J. B. Winter
A. H. Hanssen
R. K. Davey
J. Hebdon, State of Utah, Bureau of Solid & Hazardous Waste
K. Miner, Salt Lake City/County Health Department
Patrick Godsil, E.P.A. Region VIII
Dianne Nielson, Director, State of Utah, Board of Oil, Gas & Mining
Mayor Kay Edmunds, City of South Jordan
Mayor Dale F. Gardiner, City of Riverton
Mayor Bob Roberts, City of West Jordan
Betty Naylor, Councilwoman, West Jordan City

EXCESS STORM WATER TREATMENT MONITORING

<u>Item</u>	<u>Type</u>	<u>Frequency</u>
Untreated Storm Water	Chemical Analysis Volume	Daily Continuous
Treated Storm Water	Chemical Analysis pH	Daily Continuous
Evaporation Ponds	Depth Volume Embankment Piezometers	Monthly Monthly Monthly
Private Wells*	Chemical Analysis	Monthly

*All accessible private wells in the area downgradient from the evaporation ponds will be monitored.